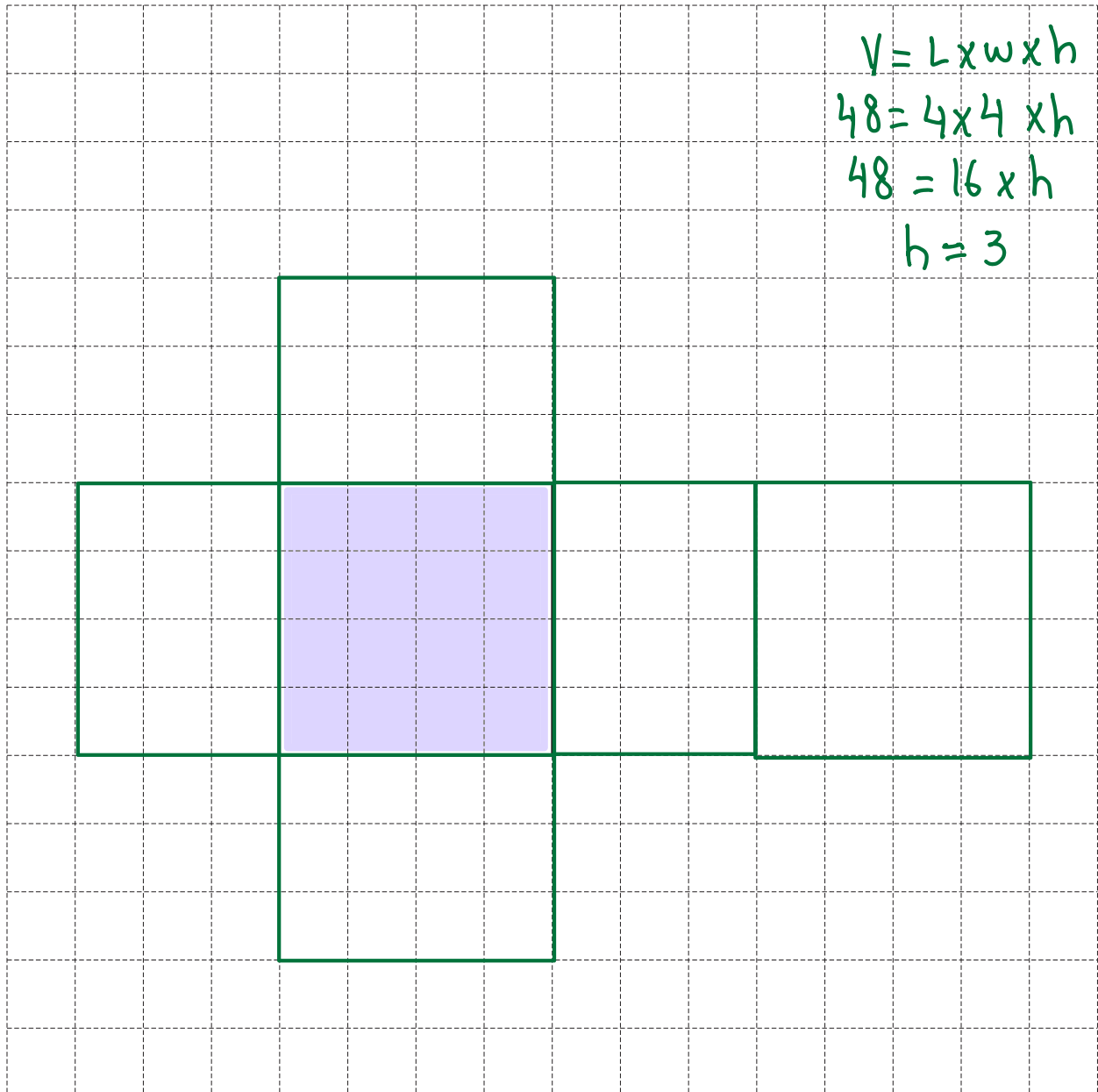
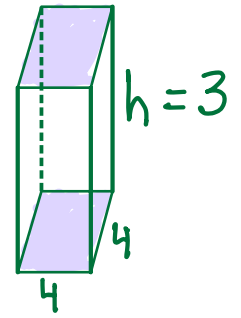


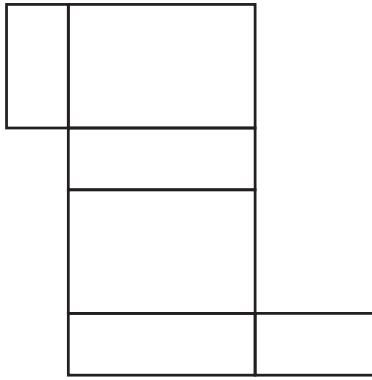
- 6 The base of a cuboid is a square with side length 4 cm.
The volume of the cuboid is 48 cm^3 .

On the grid, complete the accurate drawing of the net of the cuboid.
 The base is drawn for you.

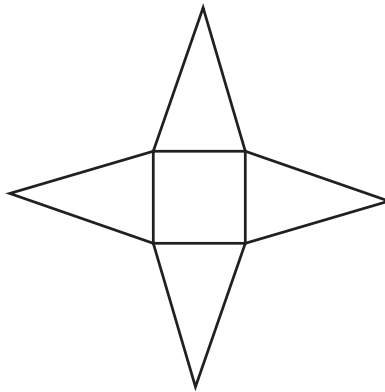


[3]

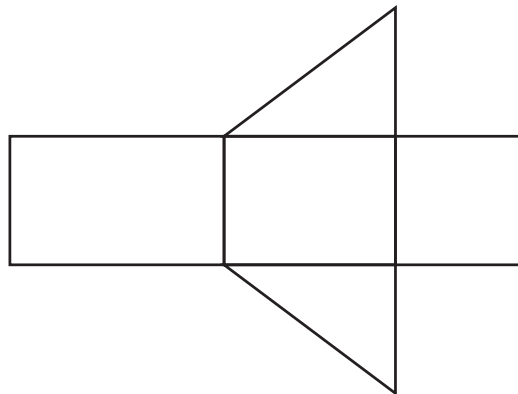
4 Write down the name of the solid formed from each net.



Cuboid

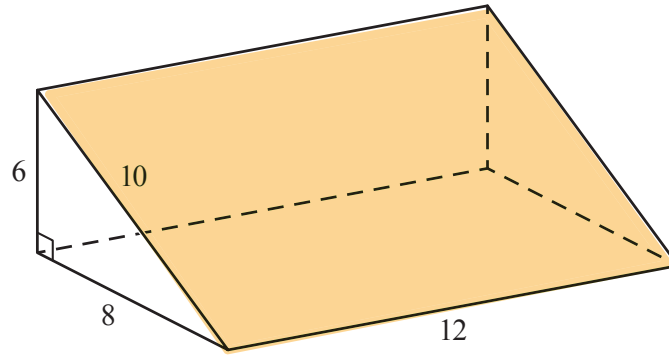


Pyramid



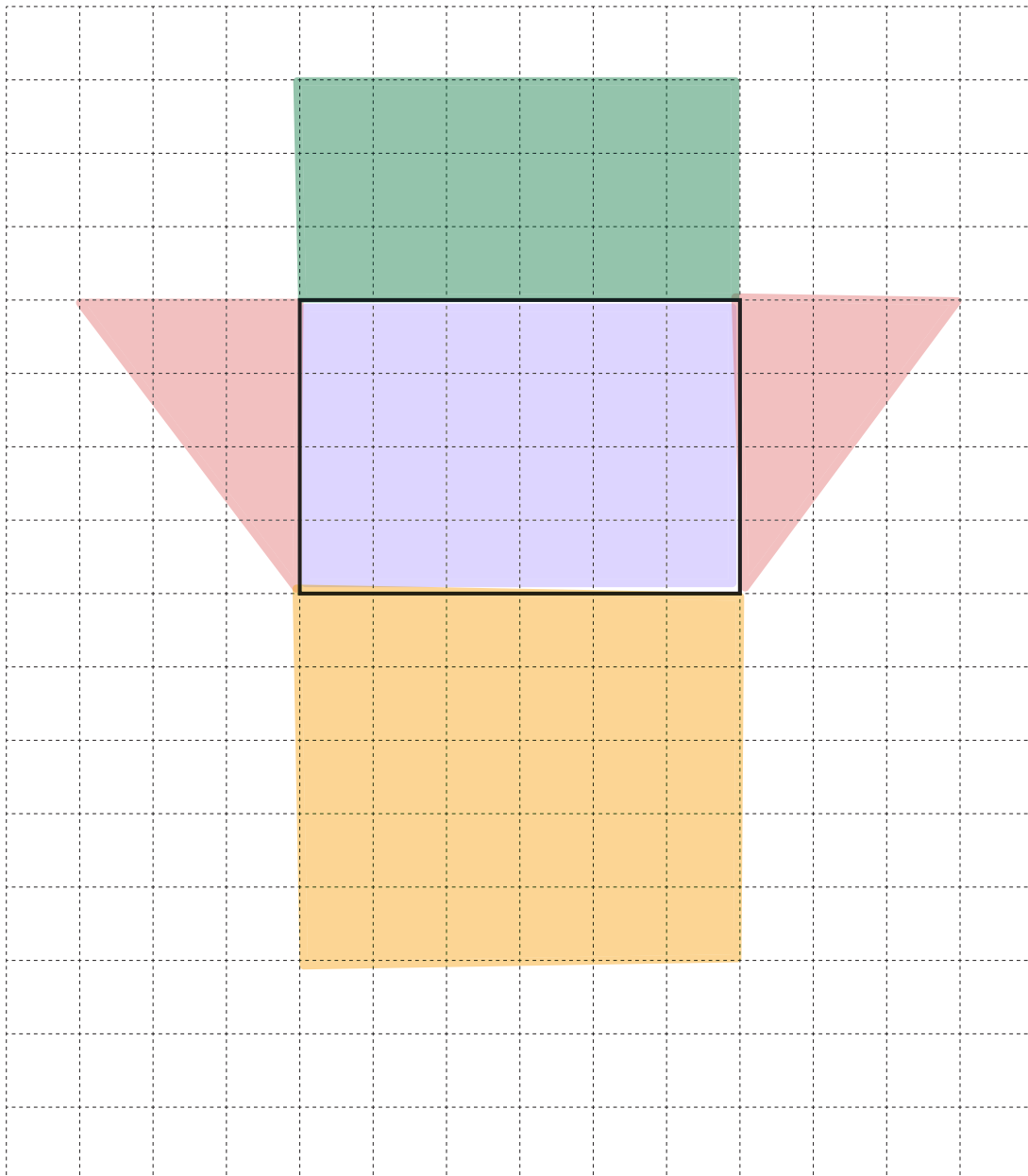
Prism

[3]



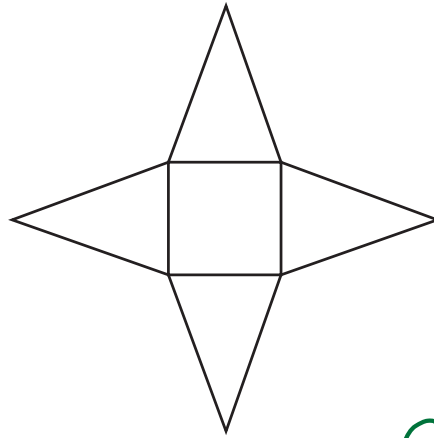
The diagram shows a triangular prism of length 12 cm.
The cross section is a right-angled triangle with sides 6 cm, 8 cm and 10 cm.

On the grid, draw a net of this prism.
Use a scale of 1 cm to represent 2 cm.
One face has been drawn for you.



[2]

- 3 The diagram shows the net of a solid.



- (a) What is the special mathematical name of the solid?

Pyramid

[1]

- (b) For this solid, write down the number of vertices.

5

[1]

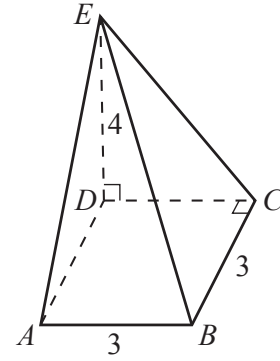
- 4 (a) Factorise $1 - 36p^2$.

[1]

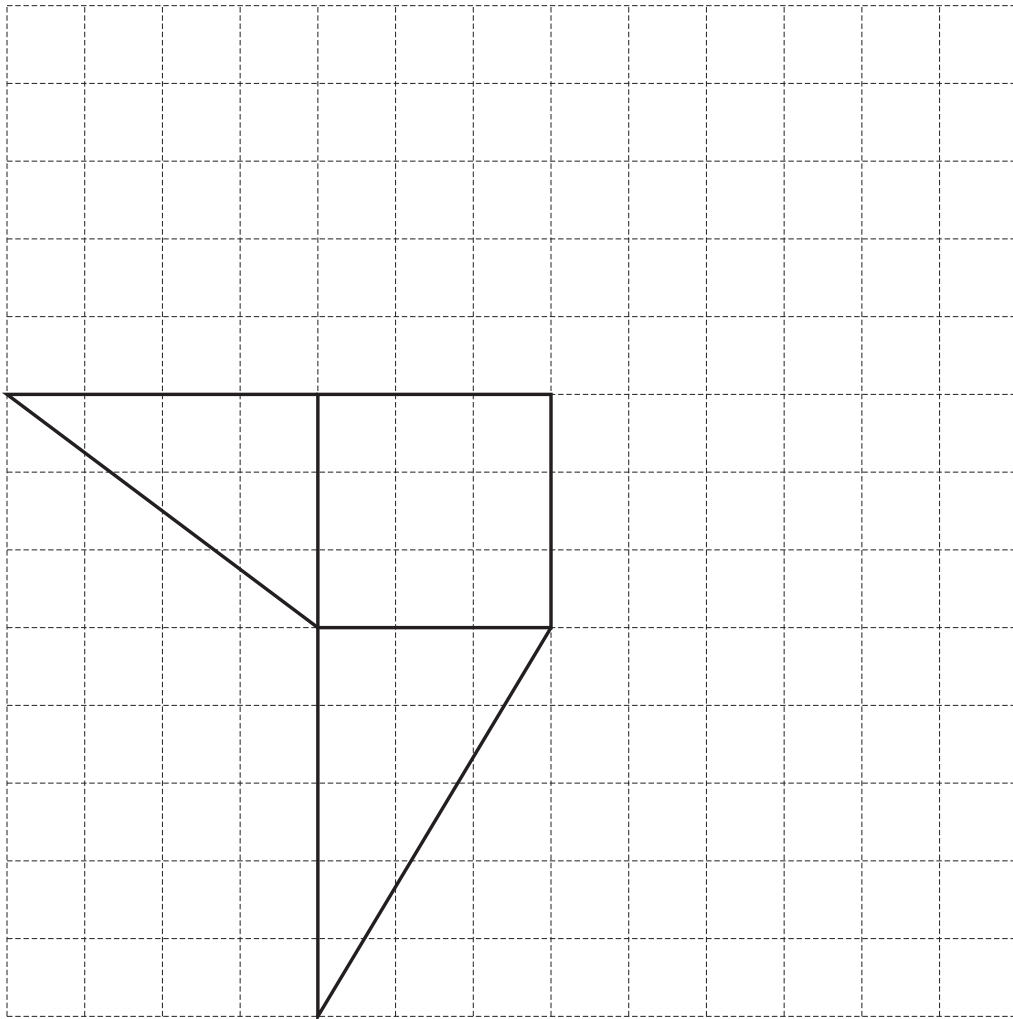
- (b) Factorise $4x + 3y + xy + 12$.

[2]

- 17 The diagram shows a pyramid.
 The square base, $ABCD$, has an edge of 3 cm.
 The base is horizontal, and vertex E is vertically above D , where $ED = 4$ cm.



- (a) On the grid below, complete the accurate drawing of a net of the pyramid.
 Do **not** draw outside the grid.

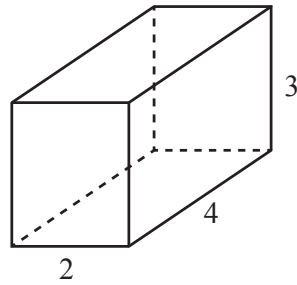


[2]

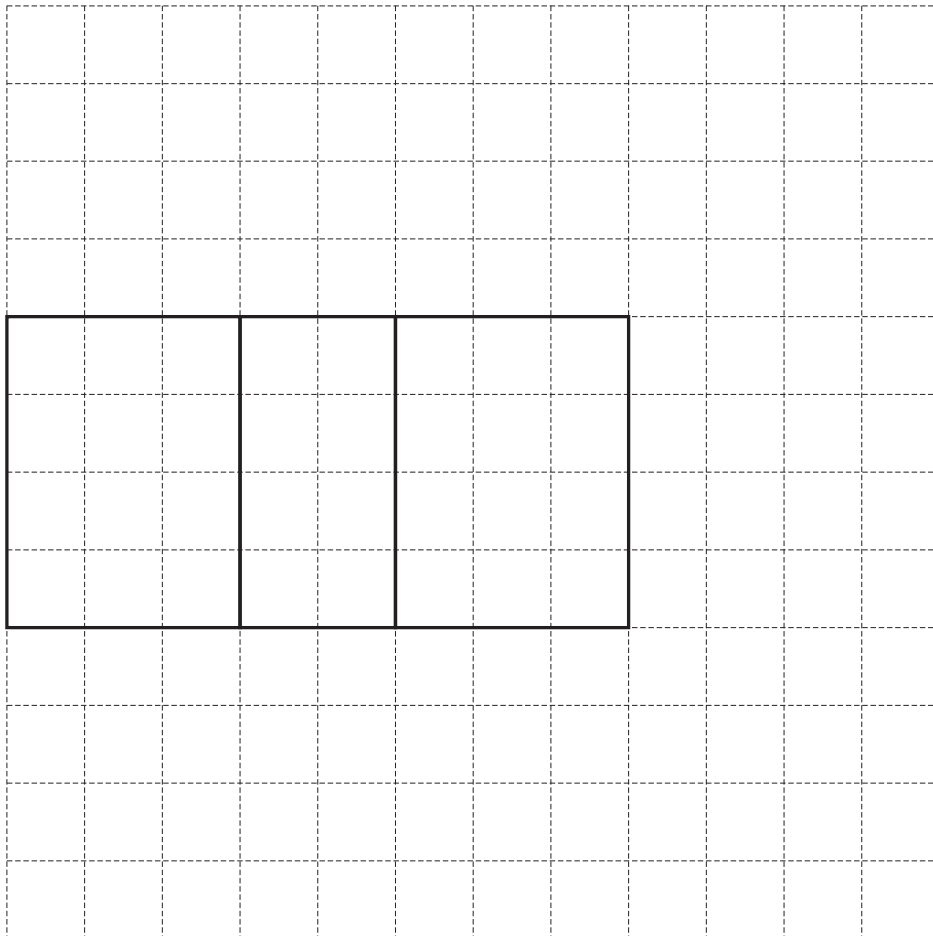
- (b) Calculate the **total** surface area of the pyramid.

Answer cm^2 [2]

- 10 The diagram shows a **closed** box.
The box is a cuboid.
The measurements are in centimetres.

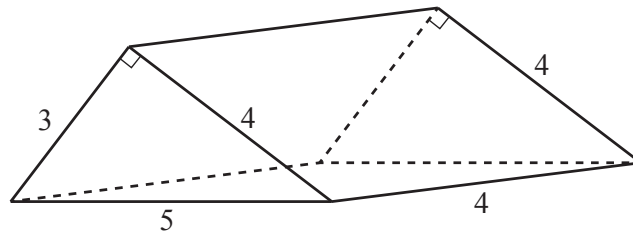


On the grid below, complete an accurate drawing of the net of the box.
Do **not** draw outside the grid.

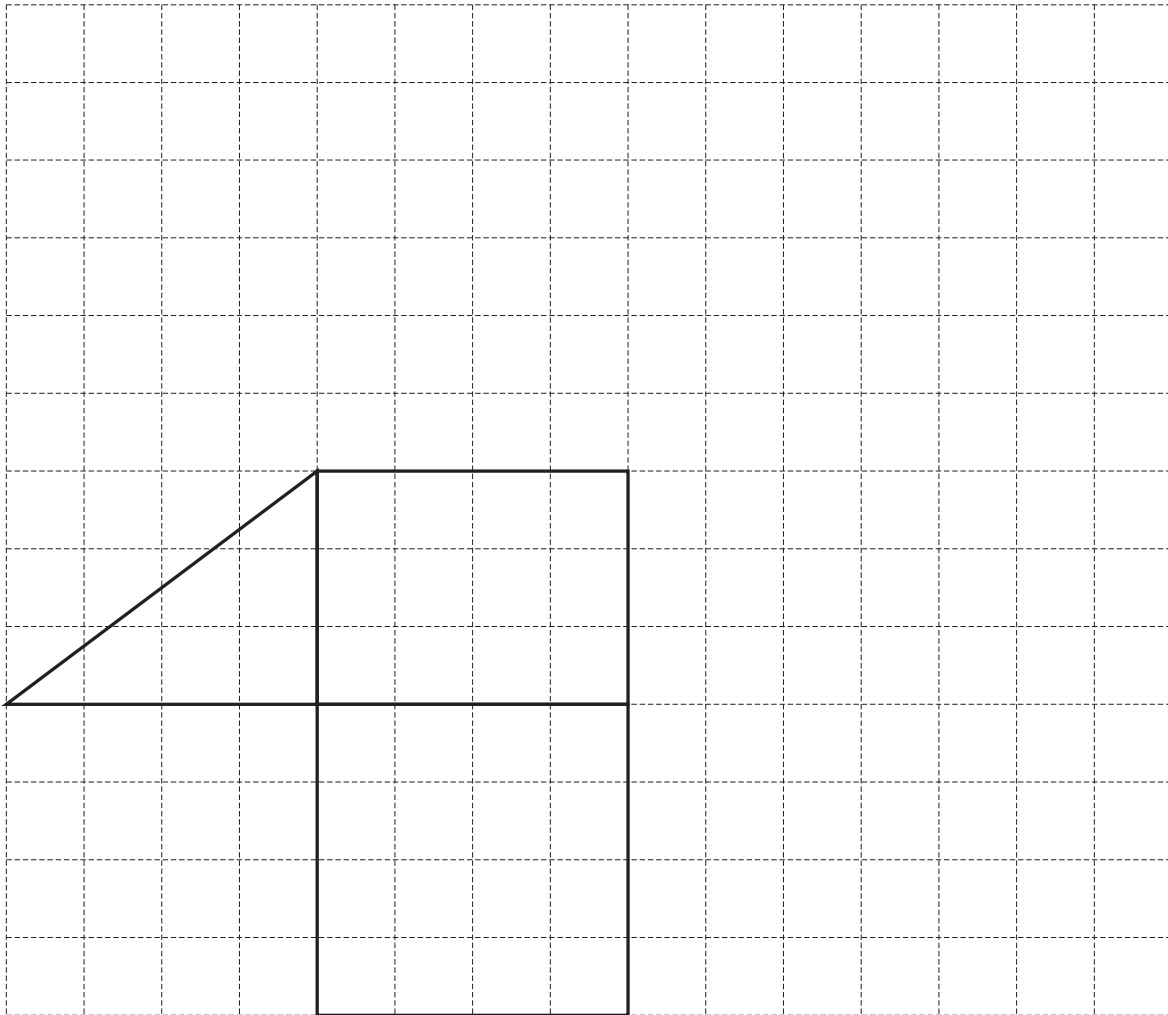


[2]

- 14 The diagram shows a triangular prism.
The measurements are in centimetres.



- (a) On the grid below, complete the accurate drawing of a net of the prism.
Do **not** draw outside the grid.



[2]

- (b) Find the total surface area of the prism.

Answer cm^2 [2]